

THE UNITED STATES OF AMERICA

TO MIL TO WHOM THESE PRESENTS SHALL COME:

AERALB Genetics Corporation

MICCONS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN DUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY SECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

CORN, FIELD

'WDHQ11'

In Testimon Merrers, I have hereunto set my hand and caused the seal of the Hant Haristy Frotestion Office to be affixed at the City of Washington, D.C. this ninth day of April, in the year two thousand two.

Attest.

Palm Jakl.

Commissioner

Plant Variety Protection Office Agricultural Marketing Service

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

The following state-nents are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a; and the Paperwork Reduction Act (PRA) of 1995.

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

(Instructions and information	collection burden statemer	it on rever	se)				
1 NAME OF OWNER					2. TEMPORARY DESIGNAT	ION OR :	3. VARIETY NAME
DEKALB Genetics Corporation					EXPERIMENTAL NAME		WDHQ11
4 ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)					5. TELEPHONE (include area code)		FOROFFICALUSEONLY
·					(815) 758-9281		PVPO NUMBER
	amore Road			Ì	6. FAX (include area code)		0000287
DeKalb, I	E 60113		•		(815) 758-3117	, -	FILING DATE
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) 8. IF INCORPORATION (CORPORATION (ORPORAT	ED, GIVE	9. DATE OF INCORPORATE	ON	1 1
			Delawa	- 1	June 15, 1988		7/17/00
10. NAME AND ADDRESS OF OWNER REP	RESENTATIVE(S) TO SERVE IN T	HIS APPLICA	TION. (First	person listed will rec	ceive all papers)		FILING AND EXAMINATION FEES:
				B Genetics Corporation			# 3450 P DATE 6-8-00
3100 Sycamore Road DeKalb, II 60115	•			amore Road L 60115	u .		CERTIFICATION FEE:
						-	DATE 2/11/03
11. TELEPHONE (Include area code)	12. FAX (Include area code)	13. E_MAIL			14. CROP	KIND (Common Name)	
(815) 758-9281 (815) 758-3117				tkain@dekalb.com Corn			Corn
15 GENUS AND SPECIES NAME OF CROP 16. FAM			16. FAM	AILY NAME (Bolanical) 17. IS THE VARIETY A FIRST GENERATION HYBRID?			
Zea m	nays .			Graminea	Gramineae		
18. CHECK APPROPRIATE BOX FOR EACH	ATTACHMENT SUBMITTED (Folio	w instructions	on	19. DOES THE O'	WNER SPECIFY THAT SEED (SEED? See Section 83(a) of	OF THIS VARI	ETY BE SOLD AS A CLASS OF
a. X Exhibit A. Origin and Breeding History of the Variety				□ Y	'ES (If 'yes'', answer items 20 and 21 below)	×	
b. X Exhibit B. Statement of Distinct			ļ	20. DOES THE O	WNER SPECIFY THAT SEED O	OF THIS VARI	ETY BE LIMITED AS TO NUMBER
c. X Exhibit C. Objective Description of Variety d. Exhibit D. Additional Description of the Variety (Optional)				OF GENERAT	TIONS?	Ε	<u>.</u>
e. X Exhibit E. Statement of the Basi	•	_44		<u> </u>			
Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be depositied and maintained in an approved public repository)				_	TEM 20, WHICH CLASSES OF DUNDATION TO REGIS	PRODUCTION	N BEYOND BREEDER SEED?
 Filing and Examination Fee (\$2,450), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office) 				<u> </u>			
22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES?				23. IS THE VARIE PROPERTY R	TY OR ANY COMPONENT OF LIGHT (PLANT BREEDER'S RIC	THE VARIET GHT OR PATE	Y PROTECTED BY INTELLECTUAL ENTJ?
X YES U.S. February 2000 ☐ NO				☐ YES X NO			
IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)					SE GIVE COUNTRY, DATE OF NUMBER. (Please use space in		
24. The owners declare that a viable sample of for a luber propagated variety a tissue cutt	basic seed of the variety will be full are will be deposited in a public rep	mished with a pository and m	pplication ar	nd will be replenishe r the duration of the	d upon request in accordance v certificate.	rith such regul	ations as may be applicable, or
The undersigned owner(s) is(are) the owner and is entitled to protection under the provi	sions of Section 42 of the Plant Va	iety Protection	n Act.		at the variety is new, distinct, un	iform, and stal	ble as required in Section 42,
Owner(s) is(are) informed that false repres	entation herein can jeoperdize prot	ection and res	kult in penalt		· · · · · · · · · · · · · · · · · · ·		
SIGNATURE OF OWNER Limit	IR.L.		,	SIGNATURE OF	OWNER		
NAME (Please print or type) Timothy R. Kain				NAME (Please print or type)			
CAPACITY OR TITLE Patent Scientist			CAPACITY OR TI	CAPACITY OR TITLE DATE			

INSTRUCTIONS

200000287 Page 2 - WDHQ11

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$2,450 (\$300 filing fee and \$2,150 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$300 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvp.htm

ITEM

18a. Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 23. See Section 5.5 of the Act for instructions on claiming the benefit of an earlier filling date.
- 22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

A hybrid produced from this variety was first sold in the United States - February 2000

23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, '97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the variety names proposed by contacting: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center—East, Beltsville, MD 20705. Telephone: (301) 504-8089.

Public reporting burden for this collection of information is estimated to everage 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Sand comments regarding this burden estimate or any other espect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, ORM, AG Box 7630, Jamie L. Whitten Building, Washington, D.C. 20250. When replying, refer to OMB No. 0581-0055 and form number in your lotter. Under the PRA of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sax, religion, age, disability, political beliefs, and marital or familial status. (Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (braille, large print, sudiciape, etc.) should contact the USDA Office of Communications at (202) 720-2791. To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call (202) 720-7327 (voice) or (202) 720-1127 (TDO). USDA is an equal opportunity employer.

S&T-470 (6-98) designed by the Plant Variety Protection Office with WordPartect 6.0s. Replaces STO-470 (03-96) which is obsolete.

EXHIBIT A

Origin and Breeding History WDHQ11

WDHQ11 was selected for improved seedling vigor, plant health and seed size.

Summer 1991	The inbred line FBLL (a proprietary DEKALB Genetics Corporation inbred) was crossed to RQAA8 (also a proprietary DEKALB inbred) in Marion, OH.
Winter 1991-92	S0 seed was grown (row T35:34) in Kihei, Maui.
Summer 1992	S1 seed was grown (50 rows: 105:26 to 106:26) in Windfall, IN.
Summer 1993	S2 seed was grown ear to row (row 302:98) in Windfall, IN.
Winter 1993-94	S3 seed was grown ear to row (row 12C:1531) in Kihei, Maui.
Summer 1994	S4 seed was grown ear to row (row 224:18) in Windfall, IN. The S5 seed was coded WDHQ11. Cob color was observed to be segregating red and white.
Winter 1994-95	S5 seed was grown ear to row (row 6U16:12) in Kihei, Maui. Cob color was selected to be white.
Summer 1995	S6 seed was grown ear to row (row 626:12) in Windall, IN. Cob color was confirmed to be white and S7 seed was bulked.
Winter 1995-6	S7 seed was grown (row MCC18:66) in Kihei, Maui.
Winter 1996-97	S8 seed was grown (row 2X56:60) in Kihei, Maui. Segregation for presence or absence of anthocyanin in brace roots, anthers and silks was observed.
Summer 1997	S9 seed was grown ear to row from a single ear (row 460:50 and 49). WDHQ11 was selected to have anthocyanin pigment (redish pink color) present in brace roots, silks and anthers.

Statement of Stability and Uniformity

Corn Inbred WDHQ11 was coded in 1994. It was selected to have white cobs in 1995. The presence of anthocyanin pigments in brace roots, silk tissue, and anthers was selected for in 1997. Inbred WDHQ11 was reproduced by self-pollination for three generations and believed to be stable and uniform for all traits observed.

Statement of Variants

WDHQ11 shows no variants other than what would normally be expected due to environment or that would occur for almost any character during the course of repeated sexual reproduction.

EXHIBIT B

Statement of Distinctness

DEKALB Genetics Corporation believes that WDHQ11 is most similar to corn inbred FBLL, an inbred developed by DEKALB Genetics Corporation.

WDHQ11 and FBLL differ most significantly in the following traits:

Quantitative Traits:

Trait	WDHQ11	FBLL	Difference	Pvalue
Stalk Lodging (%)	0.2	2.1	-1.9	0.00**
Final Stand (%)	62.7	54.0	8.7	0.00**

Significance levels, indicated as follows: + = 10 %, * = 5 %, ** = 1 %.

Qualitative Traits:

Trait	WDHQ11	FBLL
Silk Color	Pink	Green-Yellow
	2.5 R 7/6	2.5 GY 8/6
Cob Color	White	Red
	Lighter than 5 y 9/1	5 R 3/8

United States Department of Agriculture, Agricultural Marketing Service Science Division, Plant Variety Protection Office National Agricultural Library Building, Room 500 Beltsville, MD 20705

OBJECTIVE DESCRIPTION OF VARIETY CORN (Zea mays L.)

Name of Applicant(s)		Variety Seed Son	urce Vari	iety Name or Tempor	
DEKALB Genetics Corporation			WDHQ11		
Address (Street & No., or R.F.D. No., City, State, Zip C	ode and Country)		FOR	OFFICIAL USE	
3100 Sycamore Road, DeKalb, IL 60115 U.S.A.			PVPO	Number 2000 (0287
Place the appropriate number that describes the varietal whole numbers by adding leading zeroes if necessary. Co Traits designated by a '*' are considered necessary for	mpleteness shoul	d be striven for	ed variety ir to establish	n the spaces below.	. Right justify
COLOR CHOICES (Use in conjunction with Munsell color cod 01=Light Green 06=Pale Yellow 02=Medium Green 07=Yellow 03=Dark Green 08=Yellow-Orange 04=Very Dark Green 09=Salmon 05=Green-Yellow 10=Pink-Orange	e to describe al 11=Pink 12=Light Red 13=Cherry Red 14=Red 15=Red & White	l color choices; 16=Pale 17=Purpl 18=Color 19=White 20=White	Purple e less	5 and #26 in Commer 21=Buff 22=Tan 23=Brown 24=Bronze 25=Variegated 26=Other (Descr	(Describe)
STANDARD INBRED CHOICES(Use the most similar (in backgro Yellow Dent Families: Family Members	Yellow D	of these to malent (Unrelated):		ns based on grow-o Sweet Corn: C13, Iowa5125,	
B14 CM105, A632, B64, B68 B37 B37, B76, H84 B73 N192, A679, B73, NC268 C103 Mo17, Va102, Va35, A682 Oh43 A619, MS71, H99, Va26	Oh7, T2 W117, W W182BN	153R		Popcorn: SG1533, 4722, HP30	01, НР7211
Oh43 A619, MS71, H99, Va26 WF9 W64A, A554, A654, Pa91	White De CI66, H	105, Ky228		Pipecorn: Mo15W, Mo16W, Mo24	ł W
1. TYPE: (describe intermediate types in Comments section 2 1=Sweet 2=Dent 3=Flint 4=Flour 5=Pop 6=Orname		n	Standard I 2	Inbred Name B73	
2. REGION WHERE DEVELOPED IN THE U.S.A.: * 2 1=Northwest 2=Northcentral 3=Northeast 4=Southcentral 6=Southwest 7=Other	east 5=Southcen	ral	Standard S 2	Seed Source NCRIPS_	-
3. MATURITY (In Region Best Adaptability; show Heat Unisection): DAYS	% of plants in s	ilk	DAYS 0 7 9 0 7 7	HEAT UNITS 1 5 3 8. 1 4 9 9.	
From 10% to 90% pollo	en shed				· _
(*) From 50% silk to opt:	imum edible qual:	ity	 0 7 5	· · 1 2 9 6.	_
From 50% silk to har	vest at 25% mois	ure	0 / 5	1 2 9 6.	. 0
4. PLANT:	tandard Deviation	n Sample Size		Standard Deviation	on Sample Size
* 2 3 3.9 cm Plant Height (to tassel tip)	0.566	60	2 2 8.	8 15.088	170
* 0 6 9.4 cm Ear Height (to base of top ear node)	12.940	60	0 9 6.	0 10.540	170
0 1 5.8 cm Length of Top Ear Internode	1.697	60	0 1 4.	2 1.806	170
Average Number of Tillers					
* 1. 0 Average Number of Ears per Stalk	0.071	60	0 0 1.	1 0.180	170
3 Anthocyanin of Brace Roots: 1=Absent 2=Faint 3=Moderate 4=Dark			4		
o minimo de Brace Model. E imbonic e ra			i .		

Application Variety Data	Page	2	Standard Inbred Data			
5. LEAF:	Standard Deviation	Sample Size	Standard Deviation Sample Siz			
* 0 0 8.8 cm Width of Ear Node Leaf	0.566	60	0 0 9. 1 0.764 170			
* 0 8 0.8 cm Length of Ear Node Leaf	4.596	60	0 7 9. 6 2.524 170			
* 6. 1 Number of leaves above top ear	0.424	30	5. 6 0.432 85			
3 1. 9 degrees Leaf Angle (measure from 2nd leaf above ear	11.809 at anthesis to stalk abo	60 ve leaf)	2 5. 5 7.626 170			
* 0 2 Leaf Color (Munsell code 5 GY 4/8	3)		0 3 (Munsell code 5 GY 3/4)			
7 Leaf Sheath Pubescence (Rate on so	cale from 1=none to 9=pea	ch fuzz)	6			
5 Marginal Waves (Rate on scale fro	om 1=none to 9=many)		4			
4 Longitudinal Creases (Rate on sca	ale from 1=none to 9=many)	3			
6. TASSEL:	Standard Deviation	Sample Size	Standard Deviation Sample Siz			
* 5. 3 Number of Primary Lateral Branches	0.707	60	8. 1 1.690 170			
3 0.8 Branch Angle from Central Spike	20.153	60	2 3. 7 5.615 170			
* 4 5. 0 cm Tassel Length	8.556	60	3 7. 9 4.949 170			
(from top leaf collar to tassel tip) 3. 1 Pollen Shed (Rate on scale from 0≕male)	3. 4			
2 2 Anther Color (Munsell code 10 Y 8.5/6)			2 2 (Munsell code 10 Y 8.5/6)			
0 2 Glume Color (Munsell code 5 GY 4/8			0 2 (Munsell code 5 GY 4/8)			
1 Bar Glumes (Glume Bands): 1=Absent 2=F	Present		1			
7a. EAR (Unhusked Data): * 1 1 Silk Color (3 days after emergence) (Mun	sell code 2.5 R 7/6)		0 5 (Munsell code 2.5 GY 8/6)			
0 2 Fresh Husk Color (25 days after 50% silk		4/8)	0 2 (Munsell code 5 GY 4/8)			
2 1 Dry Husk Color (65 days after 50% Silkin	_		2 1 (Munsell code 2.5 Y 8/4)			
* 1 Position of Ear at Dry Husk Stage: 1=Upr	ight 2=Horizontal 3=Pend	ent	3			
6 Husk Tightness (Rate on scale from 1=ver	y loose to 9=very tight)		6			
1 Husk Extension (at harvest): 1=Short (ea 3=Long (8-10 cm beyond e	rs exposed) 2=Medium (<8 ar tip) 4=Very Long (>10		1			
7b. EAR (Husked Ear Data):	Standard Deviation	Sample Size	Standard Deviation Sample Siz			
* 1 5.5 cm Ear Length	0.778	30	1 3. 6 0.706 85			
* 4 4.5 mm Ear Diameter at mid-point	0.707	30	4 3. 2 1.814 85			
1 4 7.0 gm Ear Weight	6.293	60	1 1 9. 4 26.433 170			
* 1 7 Number of Kernel Rows	0.000	30	1 7 0.721 85			
2 Kernel Rows: 1=Indistinct 2=Distinct	t		2			
2 Row Alignment: 1=Straight 2=Slightl	y Curved 3=Spiral		2			
0 5.8 cm Shank Length	1.061	60	0 7.9 1.620 170			
2 Ear Taper: 1=Slight 2=Average 3=Ext	reme	:	2			
Application Variety Data			Standard Inbred Data			
Note: Use chart on first page to choose color code	a for color traits					

Note: Use chart on first page to choose color codes for color traits.

Application Variety Data	ation Variety Data Page 3		Standard Inbred Data			
8. KERNEL (Dried):	Standard Deviation	Sample Size	St	andard Deviation	Sample Size	
1 1.6 mm Kernel Length	0.566	30	1 0.8	0.713	85	
0 7.9 mm Kernel Width	0.141	30	0 7.0	0.559	85	
0 4.6 mm Kernel Thickness	0.000	30	0 3.9	0.592	85	
2 0.3 % Round Kernels (Shape Grade)		500g	2 6.5		500g	
1 Aleurone Color Pattern: 1=Homozygous 2=	-Segregating		1			
(*) 1 9 Aleurone Color (Munsell code Lighter th	nan 2.5 Y 9/2)		1 9 (Munsell code Lighter Than 2.5 Y 9/2)			
* 0 7 Hard Endosperm Color (Munsell code 2.5	Y 8/10)		0 7 (Munse)	0 7 (Munsell code 2.5 Y 8/10)		
* 0 3 Endosperm Type: 1=Sweet (sul) 2=Extra 8 4=High Amylose Starch 5=Waxy Starch 6= 8=Super Sweet (se) 9=High Oil 10=Other	High Protein 7=High Ly:		0 3			
2 8.6 gm Weight per 100 Kernels (unsized samp	ole) 0.212	600 seeds	2 3.6	3.778	1700 seeds	
9. COB:	Standard Deviation	Sample Size	St	andard Deviation	Sample Size	
* 2 6.5 mm Cob Diameter at mid-point	0.707	30	2 6.3	1.671	85	
1 9 Cob Color (Munsell code Lighter than 2.	5 Y 9/2)	ı	1 4 (Munse	ell code 5 R 3/8)		
10. DISEASE RESISTANCE (Rate from 1 (most susceptibl leave blank if not tested; leave Race or Str						
A. Leaf Blights, Wilts, and Local Infection Disease	_	orygenic):				
7 Anthracnose Leaf Blight (Colletotrichum graminic Common Rust (Puccinia sorghi) Common Smut (Ustilago maydis) 7 Eyespot (Kabatiella zeae) 6 Goss's Wilt (Clavibacter michiganense spp. nebra 4 Gray Leaf Spot (Cercospora zeae-maydis) 6 Helminthosporium Leaf Spot (Bipolaris zeicola) F 4 Northern Leaf Blight (Exserohilum turcicum) Race 5 Southern Leaf Blight (Bipolaris maydis) Race 0 Southern Rust (Puccinia polysora) 6 Stewart's Wilt (Erwinia stewartii) Other (Specify)	askense) Nace 2		7 5 7 7 2 8 Race 2 5 Race 2 3 Race 0			
B. Systemic Diseases 2 Corn Lethal Necrosis (MCMV and MDMV) Head Smut (Sphacelotheca reiliana) Maize Chlorotic Dwarf Virus (MCDV) Maize Chlorotic Mottle Virus (MCMV) Maize Dwarf Mosaic Virus (MDMV) Strain Sorghum Downy Mildew of Corn (Peronosclerospora Other (Specify)	sorghi)		3 7 - Strain			
C. Stalk Rots	•					
Anthracnose Stalk Rot (Colletotrichum graminicol Diplodia Stalk Rot (Stenocarpella maydis) Fusarium Stalk Rot (Fusarium moniliforme) Gibberella Stalk Rot (Gibberella zeae) Other (Specify)	a)		= = = =		·	
D. Ear and Kernel Rots Aspergillus Ear and Kernel Rot (Aspergillus flav Diplodia Ear Rot (Stenocarpella maydis) Fusarium Ear and Kernel Rot (Fusarium moniliform Gibberella Ear Rot (Gibberella zeae)			 -			
_ Other (Specify)		i	_			

Note: Use chart on first page to choose color codes for color traits.

Standard Inbred Data

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Application Variety Data

length, ear weight, plant height and ear height. An explanation is requested as to what may have contributed to the large variability in these traits.
data collected for 'WDHQ11' occurred at 3 test locations over two years for a total sample size of 60 plants measured. Data was reported as means across years and locations. Data collected for 'B73' also was reported as mean values across years and locations (4 years – 3 locations). Each of the aforementioned characteristics had

a wide range of values due to spacial and temporal variation of the test contributing to the large standard deviation. Growing conditions (soil, climate, drought conditions, etc.) contributed significantly to influence the variability of the traits measured.

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1. NAME OF APPLICANT(S)	TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME				
DEKALB Genetics Corporation		WDHQ11				
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5. TELEPHONE (include area code)	6. FAX (include area code)				
3100 Sycamore Road	(815) 758-9281	(815) 758-3117				
DeKalb, IL 60115 U.S.A.	7. PVPO NUMBER 20	000287				
8. Does the applicant own all rights to the variety? Mark an "X" in appropr	iate block. If no, please explain.	X YES NO				
 Is the applicant (individual or company) a U.S. national or U.S. based or If no, give name of country 	ompany?	X YES NO				
10. Is the applicant the original owner? X YES	of the fe	ollowing:				
b. If original rights to variety were owned by a company(ies), is(are) the	If no, give name of country	?				
PLEASE NOTE:		· ·				
Plant variety protection can be afforded only to owners (not licensees) who meet or 1. If the rights to the variety are owned by the original breeder, that person must be which affords similar protection to nationals of the U.S. for the same genus and	a U.S. national, national of a UPOV member	er country, or national of a country				
If the rights to the variety are owned by the company which employed the origin member country, or owned by nationals of a country which affords similar prote	ction to nationals of the U.S. for the same g	enus and species.				
3. If the applicant is an owner who is not the original owner, both the original own The original breeder/owner may be the individual or company who directed final be						
According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collectivities information collection is 0581-0055. The time required to compete this information collection searching existing data sources, gathering and maintaining the data needed, and completing and researching existing data sources, gathering and maintaining the data needed, and completing and researching existing data sources, gathering and maintaining the data needed, and completing and researching existing data sources, gathering and maintaining the data needed, and completing and researching existing data sources, gathering and maintaining the data needed, and completing and researching existing data sources, gathering existing data sources, gathering existing	on is estimated to average 10 minutes per response					
The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of	-	ty, political beliefs, and marital or familial status.				

(Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call 1-800-245-6340 (voice) or (202) 720-1127 (TDD). USDA is an equal

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